



002.00160.ST25.txt

SEQUENCE LISTING

<110> Cohen, Philip
Kobayashi, Takayasu
Deak, Maria

<120> Methods Of Activating Serum Glucocorticoid Induced Protein Kinase

<130> 002.00160

<140> US 09/868.131

<141> 2002-04-11

<150> PCT/GB99/04232

<151> 1999-12-14

<150> GB 9919676.8

<151> 1999-08-19

<150> US 60/112.217

<151> 1998-12-14

<160> 51

<170> PatentIn version 3.1

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Val Leu Leu Ala Lys Arg Lys Ser Asp Gly Ala Phe Tyr Ala Val Lys
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Val Leu Gln Lys Lys Ser Ile Leu Lys Lys Lys Glu Gln Ser His Ile
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Ser Ala Ile Gly Tyr Leu His Ser Leu Asn Ile Ile Tyr Arg Asp Leu
 145 150 155 160

Lys Pro Glu Asn Ile Leu Leu Asp Cys Gln Gly His Val Val Leu Thr
 165 170 175

Asp Phe Gly Leu Cys Lys Glu Gly Val Glu Pro Glu Asp Thr Thr Ser
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Thr Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val Leu Arg Lys
 195 200 205

Glu Pro Tyr Asp Arg Ala Val Asp Trp Trp Cys Leu Gly Ala Val Leu
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Tyr Glu Met Leu His Gly Leu Pro Pro Phe Tyr Ser Gln Asp Val Ser
 225 230 235 240

Gln Met Tyr Glu Asn Ile Leu His Gln Pro Leu Gln Ile Pro Gly Gly
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Arg Thr Val Ala Ala Cys Asp Leu Leu Gln Ser Leu Leu His Lys Asp
 260 265 270

Gln Arg Gln Arg Leu Gly Ser Lys Ala Asp Phe Leu Glu Ile Lys Asn
 275 280 285

His Val Phe Phe Ser Pro Ile Asn Trp Asp Asp Leu Tyr His Lys Arg
 290 295 300

Leu Thr Pro Pro Phe Asn Pro Asn Val Thr Gly Pro Ala Asp Leu Lys

305 310 315 320

His Phe Asp Pro Glu Phe Thr Gln Glu Ala Val Ser Lys Ser Ile Gly
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 35 40 45

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 65 70 75 80

Met Ala Glu Arg Asn Val Leu Leu Lys Asn Val Arg His Pro Phe Leu
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115 120 125

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Lys Pro Glu Asn Ile Leu Leu Asp Cys Gln Gly His Val Val Leu Thr
165 170 175

Asp Phe Gly Leu Cys Lys Glu Cys Val Glu Pro Glu Glu Thr Thr Ser
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Thr Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val Leu Arg Lys
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225 230 235 240

Gln Met Tyr Glu Asn Ile Leu His Gln Pro Leu Gln Ile Pro Gly Gly
245 250 255

Arg Thr Val Ala Ala Cys Asp Leu Leu Gln Gly Leu Leu His Lys Asp
260 265 270

Gln Arg Gln Arg Leu Gly Ser Lys Glu Asp Phe Leu Asp Ile Lys Asn
275 280 285

His Met Phe Phe Ser Pro Ile Asn Trp Asp Asp Leu Tyr His Lys Arg
290 295 300

Leu Thr Pro Pro Phe Asn Pro Asn Val Glu Gly Pro Ala Asp Leu Lys
 305 310 315 320

His Phe Asp Pro Glu Phe Thr Gln Glu Ala Val Ser Lys Ser Ile Gly
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 35 40 45

Phe Leu Gln Met Asp Ser Pro Lys His Gln Ser Asp Pro Ser Glu Asp
 50 55 60

Glu Asp Glu Arg Ser Ser Gln Lys Leu His Ser Thr Ser Gln Asn Ile
 65 70 75 80

Asn Leu Gly Pro Ser Gly Asn Pro His Ala Lys Pro Thr Asp Phe Asp
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Phe Leu Lys Val Ile Gly Lys Gly Ser Phe Gly Lys Val Leu Leu Ala
 100 105 110

Lys Arg Lys Leu Asp Gly Lys Phe Tyr Ala Val Lys Val Leu Gln Lys
 115 120 125

Lys Ile Val Leu Asn Arg Lys Glu Gln Lys His Ile Met Ala Glu Arg
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 210 215 220

Ile Leu Leu Asp Ser Val Gly His Val Val Leu Thr Asp Phe Gly Leu
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Cys Lys Glu Gly Ile Ala Ile Ser Asp Thr Thr Thr Thr Phe Cys Gly
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Thr Pro Glu Tyr Leu Ala Pro Glu Val Ile Arg Lys Gln Pro Tyr Asp
 260 265 270

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 275 280 285

Tyr Gly Leu Pro Pro Phe Tyr Cys Arg Asp Val Ala Glu Met Tyr Asp
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Asn Ile Leu His Lys Pro Leu Ser Leu Arg Pro Gly Val Ser Leu Thr
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Ala Trp Ser Ile Leu Glu Glu Leu Leu Glu Lys Asp Arg Gln Asn Arg
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Leu Gly Ala Lys Glu Asp Phe Leu Glu Ile Gln Asn His Pro Phe Phe

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 65 70 75 80

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Phe Leu Lys Val Ile Gly Lys Gly Asn Tyr Gly Lys Val Leu Leu Ala
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Lys Arg Lys Ser Asp Gly Ala Phe Tyr Ala Val Lys Val Leu Gln Lys
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Lys Ser Ile Leu Lys Lys Lys Glu Gln Ser His Ile Met Ala Glu Arg
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Ser Val Leu Leu Lys Asn Val Arg His Pro Phe Leu Val Gly Leu Arg
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Tyr Ser Phe Gln Thr Pro Glu Lys Leu Tyr Phe Val Leu Asp Tyr Val
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Asn Gly Gly Glu Leu Phe Phe His Leu Gln Arg Glu Arg Arg Phe Leu
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Glu Pro Arg Ala Arg Phe Tyr Ala Ala Glu Val Ala Ser Ala Ile Gly
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Tyr Leu His Ser Leu Asn Ile Ile Tyr Arg Asp Leu Lys Pro Glu Asn
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Ile Leu Leu Asp Cys Gln Gly His Val Val Leu Thr Asp Phe Gly Leu
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Cys Lys Glu Gly Val Glu Pro Glu Asp Thr Thr Ser Thr Phe Cys Gly
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Thr Pro Glu Tyr Leu Ala Pro Glu Val Leu Arg Lys Glu Pro Tyr Asp
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Arg Ala Val Asp Trp Trp Cys Leu Gly Ala Val Leu Tyr Glu Met Leu
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His Gly Leu Pro Pro Phe Tyr Ser Gln Asp Val Ser Gln Met Tyr Glu
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gcggccgctc acaaaaataa gtcttc

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Arg Pro Arg Thr Ser Ser
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Arg Pro Arg Thr Ser Ala Phe
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Pro Arg Thr Ser Ser Phe
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Arg Pro Arg Thr Ser Thr Phe
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Arg Pro Lys Thr Ser Ser Phe
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Arg Pro Arg Thr Ser Ser Lys
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 <223> residues 2 and 3 are any amino acid

<220>
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 <223> F or Y

<220>
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 <223> S or T

<220>
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Phe Xaa Xaa Xaa Xaa Xaa
 1 5

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1 5

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Arg Xaa Arg Xaa Xaa Xaa Xaa
 1 5

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 <223> basic residue

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 <223> L, I, or M

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Xaa Thr Phe Cys Gly Thr Xaa Xaa Tyr Xaa Ala Pro Glu
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<223> synthetic construct

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<223> R or K

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<222> (2)..(2)

<223> any amino acid

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<223> any amino acid

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<222> (6)..(6)

<223> S or T

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<222> (7)..(7)

<223> any amino acid, preferably hydrophobic

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa

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5

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<210> 51

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<400> 51

Thr Phe Cys Gly Thr Pro Glu Thr Leu Ala
1 5 10